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50 55 60 Phe Ser Lys Ala Ile Asp Met Tyr Thr Lys Ala Leu Glu Leu His Pro 65 70 75 80 Asn Ser Ala Ile Tyr Tyr Ala Asn Arg Ser Leu Ala His Leu Arg Gln
85 90 95 Glu Ser Phe Gly Phe Ala Leu Gln Asp Gly Val Ser Ala Val Lys Ala 100 105 110 Asp Pro Ala Tyr Leu Lys Gly Tyr Tyr Arg Arg Ala Ala Ala His Met 115 120 125 Ser Leu Gly Lys Phe Lys Gln Ala Leu Cys Asp Phe Glu Phe Val Ala 130 140 Lys Cys Arg Pro Asn Asp Lys Asp Ala Lys Ile Lys Phe Thr Glu Cys 145 150 155 160 Asn Lys Thr Val Lys Met Arg Ala Phe Glu Arg Ala Ile Ala Val Asp 165 170 175 Lys Pro Glu Lys Thr Leu Ser Glu Met Tyr Ser Asp Met Glu Asn Ile 180 185 190

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Tyr Met Arg Ala Gln Pro Ser Leu Val Asp Ile Thr Val Pro Asp Glu
245 250 255
Glu Lys Glu Thr Ile Cys Gly Asp Ile His Gly Gln Phe Tyr Asp Leu
260 265 270
Met Asn Ile Phe Glu Ile Asn Gly Leu Pro Ser Glu Lys Asn Pro Tyr
275 280 285
Leu Phe Asn Gly Asp Phe Val Asp Arg Gly Ser Phe Ser Val Glu Cys 290 295 300
Ile Glu Thr Leu Phe Gly Phe Lys Leu Leu Tyr Pro Asn His Phe Phe 305 310 315 320
Leu Ala Arg Gly Asn His Glu Ser Ile Asn Met Asn Gln Met Tyr Gly 325 330 335
Glu Thr Gly Glu Val Thr Ala Lys Tyr Thr Ser Ala Met Ala Asp Ile
340 345 350
Phe Thr Gln Val Glu Asn Trp Leu Pro Leu Cys His Cys Ile Asn Gln 355 360 365
Lys Ile Leu Val Met His Gly Gly Leu Phe Ser Thr Glu Asp Val Thr 370 380
Leu Asp His Ile Arg Arg Ile Glu Arg Asn Cys Gln Pro Pro Glu Glu 385 390 395 400
Gly Leu Met Cys Glu Leu Leu Trp Ser Asp Pro Gln Gln Trp Met Gly 405 410 415
Leu Gly Gln Ser Lys Arg Gly Val Gly Ile Gln Phe Gly Pro Asp Val
420 425 430
Thr Glu Lys Glu Cys Lys Asp Asn Asn Leu Asp Tyr Ile Ile Arg Ser 435 440 445
His Glu Val Lys Asp Met Gly Tyr Glu Val Ala His Asn Gly Lys Cys 450 460
Ile Thr Val Phe Ser Ala Pro Asn Tyr Cys Asp Thr Met Gly Asn Met 465 470 475 480
Gly Ala Phe Ile Thr Ile Thr Gly Asn Asn Leu Lys Pro Asn Tyr Lys
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Asn Arg Gln Pro Pro Asp Glu Gly Ile Met Cys Asp Leu Leu Trp Glu
370 375 380
Lys Asn Trp Lys Asn Leu Lys Ile Leu Tyr Pro Asp Gly Lys Ile Asn 385 390 395 400
Lys Asn Ser Asn Cys Gln Pro Lys Thr Cys Lys Asn Ala Ser Asp Pro 405 410 415
Gln Pro Ile Asn Gly Arg Ser Pro Ser Lys Arg Gly Val Gly Cys Gln
420 425 430
Phe Gly Pro Asp Val Thr Ser Lys Trp Cys Glu Thr Asn Gly Ile Glu 435 440 445
Tyr Val Val Arg Ser His Glu Val Lys Pro Glu Gly Tyr Glu Met His 450 460
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